



Preliminary 2015 Energy Efficiency Plans Workshop Presentation

March 17, 2014

New Program Ideas

- Energy Marketplace Pilot
 - Provide third party vendors of EE products and services and SDG&E customers a website marketplace
 - Facilitate customers access to a wide variety of potential EE suppliers and products (not limited to products promoted by programs)
 - Pilot to be initially funded by SDG&E shareholders funds
 - If successful, pilot will be expanded to include DR products and services as well as other distributed energy resources
 - SDG&E will file an application to expand the pilot
- IDSM Small Commercial Customer Behavior Pilot
 - Pilot will target small commercial customers on TOU or CPP rates to facilitate peak load reductions in this customer segment

IDSM Conservation Voltage Regulation Pilot

- Locational Targeting Pilot
- T&D side:
 - Pilot design to convert voltage reduction to an equivalent energy/demand reduction; minimize line losses
 - Determine how much more energy savings is possible while maintaining customer's voltage
 - RD&D Funding
- Customer side:
 - Target market Direct Install in load constrained areas
 - Use Total Project Cost rather than Incremental Measure Cost to determine Calculated Program Incentive Cap in target locations
 - Increase Incentive Cap from 50% to 100% of Incremental Measure Costs for Replace on Burnout and New Load in target locations
 - Offer increased rebates for target locations (two tiered rebates)

Proposition 39 – Supporting our Schools

Committed to a successful implementation of Proposition 39

- Stakeholders, CPUC and CEC coordination and collaboration
- Continued technical support for K-12 and Community Colleges
- Partnership Program model and assigned Program Advisor to assist Community Colleges in leveraging Proposition 39 funds

Requested implementation of Proposition 39 activities

- Expedited CMPA (parallel) review
- Use existing conditions as baseline to maximize savings
- Increase Incentive Cap from 50% to 100% of Incremental Measure Costs for Replace on Burnout and New Load – also for Prop 39
- Offer increased rebates for Prop 39 projects (two tiered rebates)
- Remove the Direct Install Program's 150kW eligibility limit for schools
- IOU savings attribution for Prop 39 projects that leverage IOU incentive programs

Energy Upgrade California Home Upgrade Program

Current Activities

- For 2013-2014 continued emphasis on program improvements and reducing barriers to participation for both contractors and customers
 - Opening software market to improve contractor and customer usability and predictive accuracy
 - New strategies for savings from plug loads, appliances, and lighting
 - Streamlining reporting requirements
 - Targeting and outreach to specialty contractors
 - Reconfiguration of the point/rebate structure on hold (feedback from contractors does not support at this time)

Potential Expanded Efforts

- Leverage Home Upgrade for targeted T&D deferral
 - Additional incentives in targeted zip codes for pool pumps and HVAC equipment
- Improvements to cost-effectiveness for Energy Upgrade California
 - Include only the portion of energy efficiency measure and labor costs associated with energy efficiency savings in the cost-effectiveness analysis

Other proposed program modifications

Shift funding priorities

- Increase budget for the Direct Install and EEBR programs to allow for increased participation by schools in response to Prop 39
- Decrease Energy Upgrade California funding to account for increases in response to Prop 39 and to maintain current portfolio budget levels and cost effectiveness

Statewide Commercial, Industrial, and Agricultural

- Increase incentive cap from 50% to 100% of Incremental Measure Costs for Replace on Burnout and New Load projects
- Increase deemed rebate values across the board

Other proposed program modifications (con't)

Codes and Standards

- More focus on compliance issues for local governments
- Strong focus on ZNE for new construction
- Develop reach codes for local governments

Commercial New Construction (Savings by Design)

- Enhanced design incentives for ZNE status projects

Commercial HVAC (Premium Efficiency Cooling Program)

- Offer IDSM measures to leverage technologies that provide both EE and DR opportunities

Other proposed program modifications (con't)

Codes & Standards

- More focus on compliance issues for local governments with strong emphasis on ZNE for new construction and developing reach codes for local governments (City of Chula Vista)

Residential HVAC Quality Installation and Maintenance (3P)

- Charge customers \$50 for overall assessment package, leading to adoption of more advanced measures

Other proposed program modifications (con't)

Multi-Family Energy Efficiency Rebates

- Creating a focused MF offering utilizing single point of contact and aligning with EUC. Local IDSM Behavioral Program

California Advanced Home

- Additional CAHP Points available for achieving selected energy targets, incorporating future Code Preparation measures as well as completing the DOE Home Challenge.

Institutional Partnerships

- Continuing to work with Community College partners to leverage Prop 39 funding for project implementation

Workforce Education & Training

- Continuing to test new program elements and combining WE&T Connections program with Third Party K-12 Connections program.

Other proposed program modifications (con't)

Energy Efficiency Business Incentives (EEBI)

- Statewide Customized Programs planning to increase kW incentives to 50% above 2014 \$/kW level to encourage more kW
- Plan to increase the incentive cap to 100% of Incremental Measure Cost for all ROB and New Load projects

Direct Install (3P)

- To more closely align with other utilities are modifying eligibility criteria from 100 kW to 150 kW for small – medium business customers

Other proposed program modifications (con't)

Lodging, Hospital and Comprehensive EE Audit Programs (HEEP, LEEP, CIEEP – 3P)

- Adding DR measures to these programs to better align with IDSM focused programs

Continuous Energy Improvement (CEI – 3P)

- Focusing efforts to expand program influence on the market which is seeing competitive savings and increased customer satisfaction while sharing best practices amongst the participants.

Other proposed program modifications (con't)

Retrocommissioning (RCx – 3P)

- The customized engineering study to identify measures (Audit) will be moved internally to Energy Assessments & Solutions (EA&S) to streamline the process.

Commercial HVAC (Premium Efficiency Cooling – 3P)

- The program will offer IDSM/EE measures to include: PCT, advanced digital economizer controls, compressor and fan cycling controls, VRF, demand controlled ventilation, and evaporative condenser pre-coolers.

Commercial New Construction (Savings by Design)

- Recognizing that projects which achieve ZNE status require additional resources in terms of planning and capital, will be providing enhanced design incentives to the owner for projects that approach or meet this level.

Other proposed program modifications (con't)

Addition of new third-party programs from IDEEA 365

- SPLASH - Resource program that recruits and trains swimming pool contractors to enroll customers and install a package of highly cost-effective measures that go beyond traditional pool pumps to reach previously untapped savings potential with new measures and services.
- Water Infrastructure and System Efficiency (WISE) – Non-resource program that improves overall plant efficiency (OPE) for individual water pumps, using existing pump tests. New contractor on board and focus on agricultural sector in 2015.
- There will also be additional third party programs resulting from continuing IDEEA 365 solicitations.